XXVII General Meeting

of the

American Electrochemical Society

Held at

ATLANTIC CITY, N. J.,

and

PHILADELPHIA, PA.,

April 22, 23, 24, 1915.

PROGRAM COMMITTEE.

Carl Hering.
J. W. Richards.
G. A. Roush.
C. J. Russell.
S. S. Sadtler.
P. G. Salom.
W. T. Taggart.

GENERAL INFORMATION.

REGISTRATION.

Headquarters will be at the Hotel Chalfonte, Atlantic City, New Jersey.

On Thursday morning, April 22, a registrar will be at the Chalfonte from 8 A.M. to receive arriving members and guests, distribute badges and programs, and to give other information.

PLACES OF MEETING.

The sessions on Thursday and Friday will be held in the Convention Room of the Chalfonte. The sessions on Saturday will be held in the Harrison Laboratory, of the University of Pennsylvania, Philadelphia.

BUSINESS MEETING.

The annual business meeting of the Society and the announcement of the election of officers for the coming year will be held at the opening of the Thursday afternoon session.

SOCIAL FEATURES.

Following the lecture by Prof. Franklin, Thursday evening, there will be an informal social meeting in the Café Alamac.

JOINT SESSIONS.

The session on Saturday morning will be a joint session with the Illuminating Engineering Society, that on Saturday afternoon, with the American Electroplaters' Society.

PROGRAM.

THURSDAY, APRIL 22, 1915.

8.00 A.M. Registration opens at the Hotel Chalfonte.

10.30 A.M. Meeting of the Publication Committee, at the Chalfonte.

11.00 A.M. Meeting of the Board of Directors at the Chalfonte.

2.00 P.M. **Annual Business Meeting of the Society** in the Convention Room of the Chalfonte.

Reports of the Board of Directors, announcement of the annual election, miscellaneous business.

Presidential Address by the retiring President, F. A. Lidbury: "The American Electrochemical Society in its External Relations."

Reading and Discussion of Papers.

(8) Fibrox: E. Weintraub.

(2) The Thermal Conductivity of Refractories: Boyd Dudley, Jr.

(17) On the Temperature of Reaction between Acheson Graphite and Magnesia: O. L. Kowalke and D. S. Grenfell.

8.00 P.M. **Experimental Lecture** by Prof W. S. Franklin in the Convention Room of the Chalfonte. Subject: Some Mechanical Analogies in Electricity. Illustrated by Experiments and Models.

The lecture will be followed by an informal social meeting in the Café Alamac.

NOTES.

(Numbers prefixed to papers on program indicate papers printed in advance, numbered correspondingly.)

FRIDAY, APRIL 23, 1915.

10.00 A.M. Reading and Discussion of Papers, in the Convention Room of the Chalfonte.

(7) Neutralization of Absorbed Ions: W. D. Bancroft.

(6) The Coagulation of Albumin by Electrolytes: W. D. Bancroft.

(9) Thermo-Electromotive Force of Certain Iron Alloys: T. E. Fuller.

(1) Depolarization in LeClanche Cells: M. deKay Thompson and E. C. Crocker.

(16) Some Problems in Copper Leaching. (General Discussion.)

2.00 P.M. Reading and Discussion of Papers, in the Convention Room of the Chalfonte.

(4) The Formation of Magnesium Suboxide in the Electrolytic Preparation of Magnesium: F. C. Frary and H. C. Berman.

(10) Calorizing Metals: W. E. Ruder.

(14) Fixation of Atmospheric Nitrogen: L. L. Summers.

(13) The Cyanamide Process: F. S. Washburn.

(11) Commercial Nitrogen Fixation: S. Peacock.

SATURDAY, APRIL 24, 1915.

7.45 A.M. Leave Atlantic City via Philadelphia & Reading Railway for Philadelphia.

9.30 A.M. Reading and Discussion of Papers, in the Harrison Laboratory of the University of Pennsylvania. Joint session with the Illuminating Engineering Society.

NOTES.

Efficiency of Light Production: H. E. Ives.

(3) Chemistry in the Development and Operation of Flaming Arc Carbons: W. C. Moore.

(18) Lighting of Electrolytic Tank Rooms: R. E. Harrington.

After this session, members and guests are invited to visit the laboratories and museums of the University. Professor Smith's electrochemical laboratory will be found particularly interesting.

12.30 P.M. Complimentary Luncheon to Members and Guests by the University of Pennsylvania, in Houston Hall.

2.00 P.M. Joint session with the American Electroplaters' Society.

Experimental Lecture by Dr. E. F. Smith, Provost of the University of Pennsylvania, in the Harrison Laboratory.

Reading and Discussion of Papers.

(15) Cleaning and Plating in the same Solution: O. P. Watts.

(5) Electrodeposition of Smooth Lead from Lead Nitrate Solutions: F. C. Mathers and Asa McKinney.

(12) Electroplating with Cobalt: H. T. Kalmus, C. H. Harper and W. L. Savell.

NOTES.

HOTEL RATES.

The Hotel Chalfonte announces the following special rates for the meeting, the hotel being operated entirely on the American plan:

One room, one person, $3.50-$4.50; two persons, $6-$8 per day.

One room with bath, one person, $6; two persons $10 per day.

Large ocean front room with bath, two persons, $12 per day.

Atlantic City is becoming increasingly popular at this season of the year, and members are advised to make reservations of rooms at once.

OFFICERS OF THE SOCIETY.

President.

F. A. Lidbury.

Past-Presidents.

W. Lash Miller, E. F. Roeber.

Vice-Presidents.

C. F. Burgess, Carl Hering,
S. A. Tucker, W. D. Bancroft,
C. P. Townsend, Wm. Brady.

Managers.

L. Addicks, F. A. J. FitzGerald,
L. E. Saunders, J. W. Brown,
L. Kahlenberg, C. G. Schleuderberg,
H. C. Parmelee, W. R. Whitney,
C. G. Fink.

Treasurer.

Pedro G. Salom.

Secretary.

Jos. W. Richards, Lehigh University,
South Bethlehem, Pa.

LOCAL SECTIONS OF THE SOCIETY.

Wisconsin Section (Madison, Wis.)
Prof. C. F. Burgess, Chairman, University of Wisconsin.
Dr. O. P. Watts, Secretary, University of Wisconsin.

Philadelphia Section.
Carl Hering, Chairman.
S. S. Sadtler, Secretary, 39 S. 10th St., Philadelphia.

New York Section.
C. G. Fink, Chairman.
H. B. Coho, Secretary-Treasurer, New York City.

Chicago Section.
L. L. Summers, Chairman Chicago, Ill.
A. B. Marvin, Secretary, Marquette Bldg., Chicago.

Pennsylvania State College Section.
C. A. Walter, Chairman, State College, Pa.
P. E. Kern, Secretary, State College, Pa.

Pittsburgh Section.
C. G. Schluederberg, Chairman, Pittsburgh, Pa.
W. W. Clark, Secretary-Treasurer, Bridgeville, Pa.

ADMISSION AND DUES.

Entrance Fee, $5.00. Yearly Dues, $5.00. Application blanks and any other information may be obtained from the Secretary. Each member receives the Transactions of the Society, containing the papers and discussions of the General Meetings of the Society, and also, at present, the Transactions of the Faraday Society.